

Appl. No. 09/972,200
In re Kunieda et al.
Substitute Specification

SYSTEM FOR FINGERPRINT AUTHENTICATION BASED ON RIDGE SHAPE

INFORMATION

BACKGROUND OF THE INVENTION

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Field of the Invention

The present invention relates to a system for fingerprint authentication provided to extract minutia ridge shapes by using simple data format to recognize curves and to 10 provide fast and effective mechanism with less memory space and computation complexity.

Description of the Prior Art

15 One type of prior art fingerprint authentication systems is to extract position of minutiae, which are points of ridge endings and bifurcations, in fingerprint images for both templates and an input sample. Matching or verification is performed between extracted data of input sample and template. Since fingerprint images of the input sample and

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